Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (currently amended) A motor, comprising[[;]]:
 - a first rotor;
- a second rotor capable of independent rotation with respect to said first rotor; and
 - a common stator for differentially driving said first and second rotors.
- 2. (original) A motor according to claim 1 wherein said common stator includes a single winding for activating said first and second rotors.
- (original) A motor according to claim 1 wherein said common stator comprises
 first and second windings for driving said first and second rotors respectively.
 - (currently amended) An electric drive system, comprising[[;]]:
 first means for configured to produce producing electrical energy;
 at least a first and a second drive wheels; and
 a motor, comprising;
 - a first rotor for driving said first drive wheel;
- a second rotor for driving said second drive wheel, said first and second rotors capable of independent relative rotation; and
- a common stator coupled to a said generating means for driving said first and second rotors.

- 5. (original) An electric drive system according to claim 4 wherein said common stator includes a single winding for energizing said first and second rotors.
- 6. (original) An electric drive system according to claim 4 wherein said common stator comprises first and second windings for driving said first and second rotors respectively.
- (original) An electric drive system according to claim 4 wherein said first means is an inverter.
- 8. (original) An electric drive system according to claim 4 further comprising a processor coupled to said inverter for altering the torque applied to one said first and second rotors relative to the other of said first and second rotors.
- (original) An electric drive system according to claim 8 further comprising second means for sensing the torque applied to each of said first and second drive wheels.
- 10. (original) An electric drive system according to claim 8 further comprising second means for sensing the speed of each of said first and second drive wheels.
- 11. (original) An electric drive system according to claim 9 wherein said second means comprises a closed loop torque controller.
- 12. (original) An electric drive system according to claim 10 wherein said second means comprises a closed loop speed controller.

- 13. (currently amended) An electric drive system, comprising[[;]]: at least first and second drive wheels; a motor comprising[[;]];
 - a first rotor for driving said first drive wheels;
- a second rotor for driving said second drive wheels, said first and second rotors capable of independent relative rotation; and
- a common stator coupled to said generating means and to said common stator for driving said first and second rotors;
 - a processor coupled to said motor; and
- at least one sensor mechanism coupled to said processor for providing at least a first operational parameter to said processor for altering the operation of said motor to improve traction of at least one of said first and second drive wheels.
- 14. (original) An electric drive system according to claim 13 wherein said first operational parameter is torque.
- 15. (original) An electric drive system according to claim 13 wherein said first operational parameter is speed.
- 16. (original) An electric drive system according to claim 13 wherein said common stator includes a single winding for energizing said first and second rotors.
- 17. (original) An electric drive system according to claim 13 wherein said common stator comprises first and second windings for driving said first and second rotors respectively.
- 18. (original) An electric drive system according to claim 14 wherein said at least one sensor mechanism comprises a closed loop torque controller.
- 19. (original) An electric drive system according to claim 15 wherein said at least one sensor mechanism comprises a closed loop speed controller.

- 20. (new) A motor, comprising:
 - a common stator having an inner surface defining a cavity;
 - a first rotor shaft at least partially disposed within the cavity;
 - a first rotor rotationally coupled to the first rotor shaft;
 - a second rotor shaft at least partially disposed within the cavity;
- a second rotor rotationally coupled to the second rotor shaft and configured to rotate independently with respect to the first rotor.
 - 21. (new) An electric drive system, comprising:
 - a motor comprising;
 - a common stator having an inner surface defining a cavity;
 - a first rotor shaft at least partially disposed within the cavity;
 - a first rotor rotationally coupled to the first rotor shaft;
 - a second rotor shaft at least partially disposed within the cavity;
 - a second rotor rotationally coupled to the second rotor shaft and configured to rotate independently with respect to the first rotor; and

first and second drive wheels coupled to the first and second drive shafts, respectively; and

an electric power source coupled to the common stator to thereby drive the first and second rotors.